

Jacques Whitford Company, Inc.

Consulting Engineers Environmental Scientists | Far 1603 431 5982 | Environmental Scientists Information Consultants

27 Congress Street P.O. Box 4696 Portsmouth, NH U.S.A. 03802

Tel: 603 431 4899 E-mail: info@jacqueswhitford.com

WASTE HALL TELLS

Web Site: www.jacqueswhitford.com

Site Investigations Blasting Control Earthworks Foundations Rock Mechanics

Geotechnical Engineering

Materials Engineering & Research Mining Engineering Environmental Sciences Environmental Engineering Air Quality Hydrogeology

Dartmouth, NS Sydney, NS Port Hawkesbury, NS Saint John, NB Fredericton, NB Moncton, NB 8athurst, NB Charlottetown, PE St. John's, NF Corner Brook, NF Goose Bay, LAB Hull, PQ Ottawa, ON Toronto, ON Regina, SK Calgary, AB Lethbridge, AB Vancouver, BC Freeport, ME Winslow, ME Mexico, DF Moscow, Russia Buenos Aires, Argentina

March 27, 1998

Mr. Michael B. Smith Vermont Department of Environmental Conservation Waste Management Division 103 South Main Street (West Office) Waterbury, Vermont 05671-0404

RE: Upper Valley Press, Inc.

Floor Drain and Leachfield Closure

Dear Mr. Smith,

Enclosed are additional QA/QC reports associated with the data that were sent to you several days ago.

Very truly yours,

JACQUES WHIZFORD COMPANY, INC.

Matthew F. Eichler

President

cc: C. Harris

M. Pearl

S. Grill

enclosures





Eastern Analytical, Inc. ID#:

9843 CEH

Client: CEH-Jacques Whitford

Client Designation: UVP Litigation

Metals QA/QC and Narrative Report

QA/QC: Matrix: Units: EPA Method: Limits: Analyst: Date of Analysis:	Biank Soil mg/kg 6010B/ 7471 RTW/JG 09/08/97 09/11/97	LCS Aqueous % 6010B/ 7471 90-110 RTW/JG 09/08/97 09/11/97	Matrix Spike Soil % 6010B/ 7471 75-125 RTW/JG 09/08/97 09/11/97
Date of Hg Analysis	U9/11/97	09/11/97	0911197
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	< 2 < 2 < 0.2 < 0.4 < 0.4 < 2 < 0.2 < 0.4	99 97 97 98 101 96 90	107 104 105 105 103 103 88 109
Silver Zinc	< 0.2 < 0.2	96 96	93 108

Samples were analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.

There were no other exceptions in the analyses.

TC S



Eastern Analytical, Inc. ID#:

9843 CEH

Client: CEH-Jacques Whitford

Client Designation: UVP Litigation

Metals QA/QC and Narrative Report

QA/QC: Matrix: Units: EPA Method: Limits: Analyst: Date of Analysis: Date of Hg Analysis	Blank Aqueous mg/L 200.7/245.1 RTW/JG 09/08/97 09/11/97	LCS Aqueous % 200.7/245.1 90-110 RTW/JG 09/08/97 09/11/97	Matrix Spike Aqueous % 200.7/245.1 90-110 RTW/JG 09/08/97 09/11/97
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Silver	< 0.05 < 0.05 < 0.005 < 0.002 < 0.01 < 0.01 < 0.002 < 0.01 < 0.05 < 0.005	99 97 97 98 101 96 90 103 96	107 104 105 109 103 105 89 109 93

Samples were analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria with one exception.

There were no other exceptions in the analyses.

900

Approved By: Tim Wilson, Metals Supervisor_



Eastern Analytical, Inc. ID#:

9872 CEH

Client: CEH-Jacques Whitford

Client Designation: UVP Litigation

Metals QA/QC and Narrative Report

QA/QC:	Blank	LCS	Matrix Spike
Matrix:	Soil	Aqueous	Soil
Units:	mg/kg	%	%
EPA Method:	6010B/ 7471	6010B/ 7471	6010B/ 7471
Limits: Analyst: Date of Analysis:	RTW/JG 09/10/97	90-110 RTW/JG 09/10/97	7 5-125 RTW/JG 09/10/97
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	< 2 < 2 < 0.2 < 0.4 < 0.4 < 2 < 0.2 < 0.2	98 100 99 100 106 100 90	71 85 84 85 80 85 88
Silver	< 0.2	108	85
Zinc	< 0.2	99	81

Samples were analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

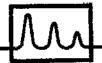
The method blanks were free of contamination at the reporting limits.

The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria with one exception.

There were no other exceptions in the analyses.

(1)

Approved By: Tim Wilson, Metals Supervisor_



Eastern Analytical, Inc. ID#:

9928, 9946, 9961 CEH

Client: CEH-Jacques Whitford

Client Designation: UVP Litigation

Metals QA/QC and Narrative Report

QA/QC: Matrix: Units: EPA Method: Limits: Analyst:	Blank Soil mg/kg 60108/ 7471 RTW/JG	LCS Aqueous % 6010B/ 7471 90-110 RTW/JG	Matrix Spike Soil % 6010B/ 7471 75-125 RTW/JG 09/16/97
Date of Analysis:	09/16/97	09/16/97	09/19/97
Date of Hg Analysis	09/19/97	09/19/97	
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	< 2 < 0.2 < 0.4 < 0.4 < 2 < 0.2 < 0.4	99 100 97 97 101 84 92 103	86 118 119 115 115 116 84
Silver	< 0.2	104	111
Zinc	< 0.2	96	119

Samples were analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.

There were no other exceptions in the analyses.

700



Eastern Analytical, Inc. ID#:

10043 CEH

Client: CEH-Jacques Whitford

Client Designation: UVP Litigation

Metals QA/QC and Narrative Report

QA/QC:	Blank	LCS	Matrix Spike Soil
Matrix:	Şoil	Aqueous	
Units:	mg/kg	%	%
EPA Method:	6010B/ 7471	6010 B /7471	6010B/ 7471
Limits:		90-110	75-125
Analyst:	RTW/JG	RTW/JG	RTWJG
Date of Analysis:	09/25/97	09/25/97	09/25/97
Date of Hg Analysis	09/25/97	09/25/97	09/25/97
Arsenic	< 2	94	90
Barium	< 2	98	89
Cadmium	< 0.2	98	90
Chromium	< 0.4	. 100	91
Copper	< 0.4	103	98
Lead	< 2	98	89
Mercury	< 0.2	102	98
Nickel	< 0.4	103	94
Silver	< 0.2	102	81
Zinc	< 0.2	99	93

Samples were analyzed within holding time limits.

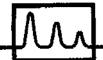
Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.

There were no other exceptions in the analyses.

P.O.



Eastern Analytical, Inc. ID#:

10142 CEH

Client: CEH-Jacques Whitford

Client Designation: UVP Litigation

Metals QA/QC and Narrative Report

QA/QC: Matrix: Units: EPA Method: Limits:	Blank Aqueous mg/L 200,7/245.1	Aqueous % 200.7/245.1 90-110	Matrix Spike Aqueous % 200.7/245.1 90-110
Analyst: Date of Analysis: Date of Hg Analysis	RTW/JG 10/06/97 10/08/97	RTW/JG 10/06/97 10/08/97	RTW/JG 10/06/97 10/08/97
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Silver Zing	< 0.05 < 0.05 < 0.005 < 0.002 < 0.01 < 0.002 < 0.01 < 0.05 < 0.005	92 99 99 100 104 97 91 103 101 99	102 101 103 101 103 97 94 103 91

Samples were analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

The associated matrix spikes and/or Laboratory Control Sample a met the above stated criteria.

There were no other exceptions in the analyses.

PD